

## EAST Search History

## EAST Search History (Prior Art) /DC/ - 4/10/2010

| Ref # | Hits | Search Query  | DBs                                       | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 10   | (ASA (alkenyl adj succinic)) and (stabiliz\$3 same (starch near5 oxidized))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2010/04/10 19:07 |
| S1    | 5    | ((("6162328") or ("4849055") or ("4832792") or ("4657946") or ("4040900")).PN.  | US-PGPUB; USPAT; USOCR                    | OR               | OFF     | 2007/11/17 13:53 |
| S2    | 125  | ((ASA or (alkenyl adj succinic adj anhydride)) with starch) and (retention same starch)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2007/11/17 12:43 |
| S3    | 1    | ("5972100").PN.   | US-PGPUB; USPAT; USOCR                    | OR               | OFF     | 2007/09/24 15:30 |
| S4    | 12   | GB-1296511-\$.did. WO-200138638-\$.did. WO-9749865-\$.did. WO-200020686-\$.did. WO-200100927-\$.did. WO-200208514-\$.did. WO-200235003-\$.did. WO-9730218-\$.did. EP-257772-\$.did.   | EPO; DERWENT                              | OR               | ON      | 2007/11/17 12:27 |
| S5    | 43   | ("3102064"   "3821069"   "3968005"   "4040900"   "4222820"   "4235629"   "4657946"   "4666519"   "4687519"   "4832792"   "4849055"   "4849131"   "4872951"   "4915786"   "0049397"   "5015500"   "5104486"   "5219912"   "5224993"   "5306757"   "5312333"   "5415631"   "5627224"   "5723179"   "5759249"   "5766417"   "5846663"   "5876562"   "5931225"   "5972100"   "6048392"   "6159339"   "6162328"   "6183550"   "6207719"   "6248164"   "6325893"   "6348132"   "6372035"   "6444024").PN. | US-PGPUB; USPAT; USOCR                    | OR               | ON      | 2007/11/16 15:08 |
| S6    | 5    | ((("6548427") or ("5962555") or ("6576049") or ("6666952") or ("6114477")).PN.  | US-PGPUB; USPAT; USOCR                    | OR               | OFF     | 2007/11/16 15:09 |

|     |      |  |  |    |     |                     |
|-----|------|--|--|----|-----|---------------------|
| S7  | 5    | ((("6162328") or ("4849055") or ("4832792") or ("4657946") or ("4040900")).PN.   | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2007/11/16<br>15:09 |
| S8  | 48   | S7 S5 S6   | US-PGPUB;<br>USPAT; USOCR                          | OR | ON  | 2007/11/16<br>15:54 |
| S9  | 1    | ("5391225").PN.  | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2007/11/16<br>15:55 |
| S10 | 1    | ("20060049377").PN.  | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2007/11/16<br>15:55 |
| S11 | 5    | ("4849055").URPN.  | USPAT  | OR | ON  | 2007/11/17<br>12:24 |
| S12 | 1    | ("4606773").PN.  | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2007/11/17<br>12:26 |
| S13 | 2    | EP-418015-\$.did.  | EPO; JPO;<br>DERWENT                               | OR | ON  | 2007/11/17<br>12:26 |
| S14 | 2    | WO-9731152-\$.did.   | EPO;<br>DERWENT                                    | OR | ON  | 2007/11/17<br>12:28 |
| S15 | 1    | ("6284099").PN.  | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2007/11/17<br>12:28 |
| S16 | 161  | ((ASA or (alkenyl adj succinic adj anhydride)) with starch) and (particle near2 (size diameter dimension))                                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/11/17<br>12:45 |
| S17 | 187  | ((ASA (alk\$2yl adj succinic adj anhydride) (alk \$2ylsuccinic adj anhydride)) with starch) and (particle near2 (size diameter dimension))     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/11/17<br>13:05 |
| S18 | 5    | ((ASA (alk\$2yl adj succinic adj anhydride) (alk \$2ylsuccinic adj anhydride)) with starch) and (bimodal trimodal multimodal)                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/11/17<br>13:10 |
| S19 | 195  | (ASA (alk\$2yl adj succinic adj anhydride) (alk\$2ylsuccinic adj anhydride)) and (bimodal trimodal multimodal)                                 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/11/17<br>13:11 |
| S20 | 23   | (ASA (alk\$2yl adj succinic adj anhydride) (alk\$2ylsuccinic adj anhydride)) and ((bimodal trimodal multimodal) with (ASA anhydride emulsion)) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/11/17<br>13:10 |
| S21 | 19   | S20 not S18  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/11/17<br>13:11 |
| S22 | 2702 | (162/158,175).CCLS.  | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2007/11/17<br>13:53 |

|     |      |  |  |    |     |                     |
|-----|------|--|--|----|-----|---------------------|
| S23 | 2878 | (162/158,175).OCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2007/11/17<br>13:54 |
| S24 | 587  | (106/238).OCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2007/11/17<br>13:54 |
| S25 | 195  | (549/233).OCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2007/11/17<br>13:55 |
| S26 | 246  | (252/8.83).OCLS.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2007/11/17<br>13:54 |
| S27 | 0    | S25 and (\$modal)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/11/17<br>13:55 |
| S28 | 0    | S24 and S25 and S26  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/11/17<br>13:56 |
| S29 | 0    | S25 and S26  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/11/17<br>13:56 |
| S30 | 4    | S25 and S23  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/11/17<br>14:58 |
| S31 | 618  | ((AKD (alk\$2yl adj ketene)<br>oxetanone) with starch)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/11/17<br>15:00 |
| S32 | 518  | S31 and paper and sizing   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/11/17<br>15:01 |
| S33 | 195  | S32 and (ASA or (alkenyl adj<br>succinic adj anhydride))   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/11/19<br>15:08 |
| S34 | 32   | (polysiloxane silanol PDMS<br>polydimethylsiloxane silane<br>(silicon adj oil)) with<br>sphericity | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/11/19<br>15:33 |
| S35 | 53   | water near5 sphericity   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/11/19<br>15:34 |

|     |      |  |  |    |     |                     |
|-----|------|--|--|----|-----|---------------------|
| S36 | 335  | (549/233,255).OCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/20<br>14:39 |
| S37 | 88   | S36 and (dispersant<br>emulsifier stabilizer<br>stabilizing emulsifying<br>dispersing)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2008/08/20<br>14:39 |
| S39 | 7    | S37 and ((anionic nonionic<br>(non adj cationic)) with<br>starch)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2008/08/20<br>14:40 |
| S40 | 7    | S37 and ((anionic nonionic<br>(non adj cationic)) same<br>starch)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2008/08/20<br>14:40 |
| S41 | 2673 | (ASA (succinic adj anhydride)<br>AKD (ketene adj dimer)<br>diketene) with (dispersant<br>emulsifier stabilizer<br>stabilizing emulsifying<br>dispersing) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2008/08/20<br>14:41 |
| S42 | 7    | S36 and ((anionic nonionic<br>(non adj cationic)) same<br>starch)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2008/08/20<br>14:41 |
| S43 | 425  | S41 and ((dispersant<br>emulsifier stabilizer<br>stabilizing emulsifying<br>dispersing) same (anionic<br>nonionic (non adj cationic)))                   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2008/08/20<br>14:41 |
| S45 | 96   | S43 and ((anionic nonionic<br>(non adj cationic)) with<br>starch)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2008/08/20<br>14:42 |
| S46 | 53   | S45 and ((dispersant<br>emulsifier emulsifying<br>dispersing) with (anionic<br>nonionic (non adj cationic))<br>with starch)                              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2008/08/20<br>14:43 |
| S47 | 34   | S46 and (particle adj size)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2008/08/20<br>14:44 |
| S48 | 8    | ((("4040900") or ("4606773")<br>or ("4657946") or<br>("4832792") or ("4711674")<br>or ("4687519") or<br>("4544414") or ("6576049"))).<br>PN.             | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2008/08/20<br>14:44 |

|     |        |   |  |    |     |                     |
|-----|--------|---|--|----|-----|---------------------|
| S49 | 11     | ((("3770372") or ("4533434") or ("4606773") or ("4849055") or ("4915786") or ("5756646") or ("5969011") or ("5972100") or ("6001166") or ("6576049") or ("6666952"))).PN. | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2009/01/12<br>14:48 |
| S50 | 5      | S49 and (anionic near8 (starch polysaccharide))   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/01/12<br>14:48 |
| S51 | 10     | S49 and ((cellulose adj reactive) ASA AKD (succinic adj anhydride) (ketene adj dimer) diketene)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/01/12<br>14:50 |
| S52 | 5      | S50 and S51   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/01/12<br>14:50 |
| S53 | 11     | ((("3445330") or ("3992345") or ("4545855") or ("4695401") or ("4711671") or ("4728366") or ("4747910") or ("4784727") or ("5510003") or ("6346554"))).PN.                | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2009/09/22<br>08:13 |
| S54 | 1      | ("6093217").PN.   | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2009/09/22<br>10:20 |
| S55 | 2402   | hydrophobic\$4 near3 (starch polysaccharide)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/09/22<br>13:47 |
| S56 | 16     | S55 and (hydrophobic\$4 near8 acetyl\$4)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/09/22<br>13:47 |
| S57 | 598    | (ASA (alkenyl adj succinic)) with (starch polysaccharide)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/09/22<br>13:47 |
| S58 | 184558 | (oxidized oxidation acid acetyl\$4 hydroxyalkyl\$4 cooked) with (starch polysaccharide)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/09/22<br>13:48 |
| S59 | 413    | S57 and S58   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/09/22<br>13:48 |
| S60 | 237    | S59 and (emulsion emulsifier emulsified)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/09/22<br>13:48 |

|     |     |   |  |    |     |                     |
|-----|-----|---|--|----|-----|---------------------|
| S61 | 79  | S59 and ((ASA (alkenyl adj succinic)) with (starch polysaccharide) with (emulsion emulsifier emulsified))   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/09/22<br>13:49 |
| S62 | 71  | S61 and (sized sizing)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/09/22<br>13:49 |
| S63 | 157 | starch with cooked with typical\$2  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/09/23<br>13:40 |
| S66 | 5   | ((("5104486") or ("6183550") or ("6348132") or ("20050224202") or ("6162328")).PN.  | US-PGPUB;<br>USPAT                                 | OR | OFF | 2010/04/10<br>09:30 |
| S67 | 25  | (ASA (alkenyl adj succinic)) and ((emulsify emulsifier emulsification emulsifying) same (anionic near5 starch))   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/04/10<br>12:51 |
| S68 | 1   | ("6165259").PN.   | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2010/04/10<br>12:51 |
| S69 | 1   | ((ASA (alkenyl adj succinic)) near5 (emulsify\$3 emulsifier emulsification dispersant dispersing)) and ((emulsify\$3 emulsifier emulsification dispersant dispersing) same (nonionic near5 starch)) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/04/10<br>15:58 |
| S70 | 3   | (ASA (alkenyl adj succinic)) and ((emulsify\$3 emulsifier emulsification dispersant dispersing) same (nonionic near5 starch))   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/04/10<br>16:02 |
| S71 | 1   | ("6183550").PN.   | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2010/04/10<br>16:06 |
| S72 | 1   | ("5472485").PN.   | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2010/04/10<br>16:20 |
| S73 | 3   | (ASA (alkenyl adj succinic)) and (anionic near5 starch) and (starch with acetyl\$3 with (hydroxyethyl\$3 hydroxyethyl))   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/04/10<br>17:43 |
| S74 | 28  | (ASA (alkenyl adj succinic)) and (nonionic near5 starch) and (starch near5 oxidized)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/04/10<br>17:43 |

**EAST Search History (Interference)**

&lt; This search history is empty &gt;

**4/ 10/ 2010 7:19:06 PM**

**C:\ Documents and Settings\ dcordray\ My Documents\ EAST\ Workspaces\ EAST workspace  
10533702.wsp**